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SUPPLEMENT TO
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25X1X

COUNTRY: Poland

SUBJECT Electric Power Distributing Networks

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1. Electric power is supplied to the Electric Power Center in Katowice (Q 51/Y 57) by the Chorzow III (Q 51/Y 57) District Power Plant (Elektrownia Okregowa). The Electric Power Center is equipped with:

	<u>Capacity</u>	<u>Transformer Ratio</u>
2 three-phase current transformers	440 kva	6,180 v to 468 v
13 three-phase current transformers	3,225 kva	6,180 v to 430 v
3 three-phase current transformers	1,050 kva	468 v to 600 v
11 three-phase current transformers	2,150 kva	430 v to 600 v
2 three-phase current transformers	440 kva	512 v to 650 v

The Electric Power Center distributes 6,900,000 kw-h per year. One network is fed with three-phase current and operates at a voltage of 6,000 v. Another network is fed with direct current and operates at a voltage of 550 v.

2. Power is supplied to the Chorzow I Municipal Electric Power Plant by the Chorzow III County Power Plant. The Municipal Electric Power Plant has 63 three-phase current transformers with a capacity of 2,661 kva and a transformer ratio of 3,000 v to 150 v. This network distributes 5,680,000 kw-h annually.

3. Power is supplied to the Electric Power Distributing Network of Skoczow (Q 50/X 68), Cieszyn (Teschen) (Q 50/O 88) district, by the County Electric Power Plant of Cieszyn. The network has four three-phase current transformers with a capacity of 460 kva and a transformer ratio of 15,000 v to 380/220 v. This network distributes 7,900,000 kw-h annually.

4. Power is supplied to the Electric Power Distributing Network of Opole (Oppeln) (P 51/D 81) by the Opole Municipal Power Plant and the power station of the GROSZOWICE (P 51/D 81) Cement Factory. The distributing network has a voltage of 4,000 v and 380/220 v. No information is available concerning the number of transformers and the amount of power distributed.

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5. Power is supplied to the Electric Power Distributing Network of Raciborz (Ratibor) (P 51/Y 05) by the power plant of the Anna Mine in Rybnik (Q 51/Y 25) and by the Nysa (Neisse) (P 51/H 75) Sieci Elektryczne (electric networks). The Raciborz distributing network has seven three-phase current transformers with a capacity of 1,915 kva and a transformer ratio of 6,000 v to 220 v. This network distributes 4,500,000 kw-h annually.
6. Power is supplied to the Electric Power Distributing Network of Oswiecim (Auschwitz) (Q 51/Y 74), by the District Electric Power Plant of the Cracow Coal Basin (Elektrownia Okregowa w Zaglebiu Krakowskim) in Siersza Wodna (Q 51/Y 86) and the power plant of the chemical factory in Oswiecim. The distributing network has six three-phase current transformers with a capacity of 530 kva and a transformer ratio of 5,000 v to 380/220 v. The network distributes 600,000 kw-h per year.
7. Power is supplied to the Lodzkie Elektryczne Koleje Dojazdowe (Suburban Electric Railway) in Lodz (Q 52/O 93) by the Lodz and Zgierz (Q 52/O 94) electric power plants. This railway has its own distributing network and is equipped with:

	<u>Capacity</u>	<u>Transformer Ratio</u>
1 three-phase current transformer	10 kva	35,000 v to 240 v
1 three-phase current transformer	10 kva	3,000 v to 220 v
2 three-phase current transformers	35 kva	3,000 v to 120 v
7 three-phase current transformers	714 kva	3,000 v to 600 v
8 three-phase current transformers	2,100 kva	3,000 v to 630 v

One network is fed with three-phase current and operates at a voltage of 35,000, 3,000, 220 and 120 v. Another network is fed with direct current and operates at a voltage of 600 v. The power distributed in 1950 amounted to 5,210,000 kw-h.

8. Power is supplied to the Electric Power Distributing Network of Ruda Pabjanicka (Q 52/O 93), near Lodz by the Lodz Electric Power Plant. The network has the following equipment:

	<u>Capacity</u>	<u>Transformer Ratio</u>
1 three-phase current transformer	2,500 kva	30,000 v to 3,000 v
2 three-phase current transformers	3,200 kva	30,000 v to 3,000 v
35 three-phase current transformers	1,300 kva	3,000 v to 380/220 v
7 three-phase current transformers	330 kva	6,600 v to 380/220 v

The Ruda Pabjanicka network distributes 1,292,000 kw-h per year.

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9. Power is supplied to the Municipal Electric Power Plant (Miejski Zakład Elektryczny) in Pabjanice (Q 52/O 82) near Lodz by the Lodz Electric Power Plant. It has the following equipment:

	<u>Capacity</u>	<u>Transformer Ratio</u>
3 three-phase current transformers	3,050 kva	30,000 v to 3,000 v
20 three-phase current transformers	1,455 kva	3,000 v to 380/220 v

This plant distributes 3,270,000 kw-h annually.

10. Power is supplied to the Electric Power Distributing Network of Konstantynow (Q 52/O 83), Lodz district, by the Lodz Electric Power Plant. The distributing network has three-phase current transformers with a capacity of 410 kva and a transformer ratio of 30,000 v to 380/220 v. No information is available concerning the number of transformers. This network distributes 592,000 kw-h per year.

11. Power is supplied to the Municipal Electric Power Plant (Miejski Zakład Elektryczny) in Ozorkow (Q 52/O 86), Leczyca (Q 53/O 77) district, by the Zgierz Electric Power Plant. The Municipal Electric Power Plant has the following equipment:

	<u>Capacity</u>	<u>Transformer Ratio</u>
1 three-phase current transformer	400 kva	35,000 v to 380/220 v
2 three-phase current transformer	125 kva	3,000 v to 380/220 v

This plant distributes 601,000 kw-h annually.

12. Power is supplied to the County Electric Power Center (Powiatowa Centrala Elektryczna) in Kutno (Q 53/O 89) by the Kujawic County Electric Power Plant (Elektrownia Okregowa) in Wloclawek (Q 53/J 73) and by the Lowicz (Q 53/P 27) Electric Power Center. The Kutno District Electric Power Center has the following equipment:

	<u>Capacity</u>	<u>Transformer Ratio</u>
2 three-phase current transformers	820 kva	30,000 v to 6,000 v
6 three-phase current transformers	660 kva	6,000 v to 380/220 v

This network distributes 2,284,000 kw-h annually.

13. The Electric Power Distributing Network of Konskie (R 52/U 57) has the following equipment.

	<u>Capacity</u>	<u>Transformer Ratio</u>
2 three-phase current transformers	640 kva	30,000 v to 380/220 v
2 three-phase current transformers	320 kva	6,000 v to 380/220 v
2 alternating current transformers	10 kva	6,000 v to 220 v

No information is available as to which plant supplies power to the Konskie network. The annual power distribution of this network is 861,000 kw-h.

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14. Power is supplied to the Electric Power Center (Centrala Elektryczna) in Skarzysko-Kamienna (R 52/U 96), Konskie district, by the power plant of the Starachowice (R 52/Q 05) Mining Industry (Starachowickie Zaklady Gornicze), by the Kielce (R 51/U 73) Electric Power plant and by other unidentified power plants. The Centrala Elektryczna Skarzysko-Kamienna has the following equipment:

	<u>Capacity</u>	<u>Transformer Ratio</u>
139 three-phase current transformers	26,180 kva	33,000 v to 220 v
20 alternating current transformers	147.5 kva	33,000 v to 220 v

This network distributes 14,276,000 kw-h annually.

15. Power is supplied to the Electric Power Distributing Network of Skarzysko-Kamienna, Konskie district, by the Electric Power Center in Skarzysko-Kamienna. The network has the following equipment:

	<u>Capacity</u>	<u>Transformer Ratio</u>
2 three-phase current transformers	2,000 kva	33,000 v to 3,000 v
10 three-phase current transformers	1,025 kva	3,000 v to 380/220 v

This network distributes 1,992,000 kw-h annually.

16. Power is supplied to the Electric Power Distributing Network of Tomaszow Mazowiecki (Q 52/P 31) by the Piotrkow (Q 52/U 19) Electric Power Plant. The network has the following equipment:

	<u>Capacity</u>	<u>Transformer Ratio</u>
4 three-phase current transformers	2,500 kva	35,000 v to 6,000 v
19 three-phase current transformers	1,635 kva	6,000 v to 380/220 v

This network distributes 2,637,000 kw-h annually.

17. Power is supplied to the Electric Power Center in Iowicz ("Zemwar") (Q 53/P 27) by the Iowicz and the Wloclawek County Electric Power Plants. The electric power center has two three-phase current transformers with a capacity of 800 kva and a transformer ratio of 30,000 v to 3,000 v. This network distributes 4,084,000 kw-h annually.

18. The Electric Power Distributing Network of Radomsko (Q 52/T 96) has the following equipment:

	<u>Capacity</u>	<u>Transformer Ratio</u>
2 three-phase current transformers	1,600 kva	35,000 v to 6,000 v
10 three-phase current transformers	804 kva	6,000 v to 380/220 v

No information is available as to which plants supply power to the Radomsko network. This network distributes 2,500,000 to 3,000,000 kw-h per year.

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19. Power is supplied to the Electric Power Distributing Network of Pruszkow (R 53/P 88) by the Pruszkow **District** Electric Power Plant. The network has the following equipment:

	<u>Capacity</u>	<u>Transformer Ratio</u>
15 three-phase current transformers	1,425 kva	5,250 v to 380/220 v
2 three-phase current automatic transformers	2,300 kva	5,500 v to 5,200 v

This network distributes 6,252,000 kw-h per year.

20. Power is supplied to the Electric Power Distributing Network of Warszawa-Wola (R 53/L 09) by the Warsaw **District** Electric Power Plant (Elektrownia Okregu Warszawskiego). The network has the following equipment:

	<u>Capacity</u>	<u>Transformer Ratio</u>
4 three-phase current transformers	7,500 kva	35,000 v to 5,500 v
68 three-phase current transformers	9,570 kva	3,500 v to 380/220 v

This network distributes 11,100,000 kw-h per year.

21. Power is supplied to the Electric Power Distributing Station (Zaklad Rozdzielczy) in Grodzisk-Mazowiecki (R 53/P 77), Blonie (R 53/P 78) district, by the Warsaw **District** Electric Power Plant. The distributing station has six three-phase current transformers with a capacity of 280 kva and a transformer ratio of 5,000 v to 380/220 v. This station distributes 920,000 kw-h per year.

22. Power is supplied to the Electric Power Center for the Chodziez (Kolmar) (P 53/S 12) district by the Wyrzysk (Wirsitz) (P 54/S 34) Electric Power Center. The Chodziez Electric Power Center has 44 three-phase current transformers with a capacity of 1,228 kva and a transformer ratio of 15,000 v to 380/220 v. This network distributes 706,000 kw-h per year.

23. Power is supplied to the **District** Electric Power Distributing Network (Siec Okregowa) of the Miedzychod (Birnbau) (O 53/W 57) district, by the Koszyce (P 52/D 08) Electric Power Plant. The network is equipped with 40 three-phase current transformers with a capacity of 1,757 kva and a transformer ratio of 15,000 v to 380/220 v. This network distributes 680,000 kw-h per year.

24. The Wyrzysk Electric Power Center has the following equipment:

	<u>Capacity</u>	<u>Transformer Ratio</u>
24 three-phase current transformers	745 kva	15,000 v to 1,000 v
167 three-phase current transformers	2,576 kva	15,000 v to 380/220 v
6 three-phase current transformers	30 kva	1,000 v to 380/220 v

No information is available as to which plant supplies power to this network. The Wyrzysk Electric Power Center distributes 3,138,000 kw-h per year.

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25. Power is supplied to the Electric Power Distributing Network of Torun (Thorn) (Q 54/J 39) by the Torun Electric Power Plant. The network has the following equipment:

	<u>Capacity</u>	<u>Transformer Ratio</u>
33 three-phase current transformers	4,255 kva	6,000 v to 380/220 v
2 three-phase current transformers	400 kva	6,200 v to 2 x 220 v
2 three-phase current transformers	800 kva	6,200 v to 560 v

This network distributes 6,925,000 kw-h per year.

26. Power is supplied to the ~~County~~ Electric Power Center (Powiatowa Centrala Elektryczna) in Grudziadz (Graudenz) (Q 54/D 53) by the Municipal Electric Power Plant in Grudziadz. The District Electric Power Center is equipped with 72 three-phase transformers with a capacity of 1,824 kva and a transformer ratio of 15,000 v to 380/220 v. This network distributes 1,536,000 kw-h per year.
27. Power is supplied to the District Electric Power Center in Chelmo (Culm) (Q 54/D 31) by the hydro-electric power plants in Grodek (Q 54/D 23) and in Zur (Q 54/D 23). The District Electric Power Center is equipped with 117 three-phase current transformers with a capacity of 5,360 kva and a transformer ratio of 15,000 v to 380/220 v. This network distributes 2,981,000 kw-h per year.
28. Power is supplied to the Electric Power Distributing Network of Izbica (S 51/R 54), Krasnystaw (S 51/R 55) district, by the Zamosc (S 51/R 52) County Electric Power Plant. The network has one three-phase current transformer with a capacity of 400 kva and a transformer ratio of 15,000 v to 380/220 v. The network distributes 780,000 kw-h annually.
29. Power is supplied to the Municipal Electric Power Plant in Gdynia (Q 55/Y 44) by the hydro-electric power plants of Grodek and Zur and the Rutki County Electric Power Plant of the Kartuzy (Karthaus) (P 55/Y 12) district. The Municipal Power Plant is equipped with 41 three-phase current transformers with a capacity of 2,900 kva and a transformer ratio of 15,000 v to 380/220 v. This network distributes 5,310,000 kw-h per year.
30. Power is supplied to the Electric Power Distributing Network of the City of Danzig (Q 55/Y 42) by the hydro-electric power plants of Grodek and Zur and the Rutki County Electric Power Plant of the Kartuzy district. The network is equipped with 27 three-phase current transformers with a capacity of 2,425 kva and a transformer ratio of 15,000 to 380/220 v. This network distributes 5,190,000 kw-h annually.

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